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**Memorandum**

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Date: March 13, 2013

To: Heidi Davis – MassDEP, Brad Chase- DMF - Thomas Russo

CC: Frank Tramontozzi-COQ, Rob Stevens-COQ, David Mariano-FST, Tom Russo-FST, Dean Groves

From: Paul Bergquist - Environmental Monitor

Subject: Town Brook Enhancement Project - Quincy – Site Visit 3.11.13

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A site visit was conducted on Monday, March 11, 2013 to review project progress and the status of construction. A site visit by H. Davis ( DEP) and Brad Chase (DMF) was conducted on this date also. It is noted that the initiation of flows into the new channel commenced on Wednesday March 8, 2013. It was also noted that smelt have not been observed by DMF. The following observations are noted:

1. Park Area, Station 23+00 to 24+50. River flows are above planting area. Note Plantings to occur after June 1<sup>st</sup>. See Picture 8-1.



Picture 8-1 – Flow in constructed channel – Station 23+00 to Station 24+50

2. South Channel Wall Station 21+50 to Station 22+00 complete. Channel substrate has been installed including planting island. Note some geotextile channel lining has become dislodged. It is noted that a group meeting with DEP, DMF, and Quincy officials have

determined addition of heavy stone will assist in securing the dislodged channel lining and may provide some riffles. See Picture 8-2.



Picture 8-2 – Completed Concrete Channel South Wall, Channel and Island substrate installed . Sta.21+50 to 22+50

3. Work on existing wall and finish work on new channel wall Station 20+00 to 21+50 continues. See Picture 8-3.



Picture 8-3 Over view Sta 20+00 to 21+50.



4. High turbidity observed in existing Town Brook Culvert. Low flow from existing culverts adds visible cloudiness to existing Town Brook flows. See Picture 8-4,8-5.



Picture 8-4 Existing Town Brook Culvert.



Picture 8-5A Existing Town Brook flows meet new Town Brook Flows.





Picture 8-5B Existing Town Brook flows meet new Town Brook Flows, Note dislodged channel lining to be stabilized.

5. Water Proofing of South Channel Wall 21+50 to 22+50 Continues. See Picture 8-6  
Picture 8-6



Picture 8-6 Water proofing south channel wall.

6. Discussed erosion and sediment control at work zone and stockpile entrances with respect to recent snow melts and upcoming rain forecasts.



7.

Picture 8-7- Town Brook at Elm Street, a down stream location. It is noted that the turbidity of Town Brook was much higher at this location.

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